File SAFE

CENTRAL INTELLIGENCE AGENCY
WASHINGTON, D.C. 20505

SAF-E366-81

27 MAY 1981

Robert L. Leonard
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Attention: Mr. Edward Rollin

Subject : Planning Information for Partial Solution of the Block 1 Schedule Problem

1. The following information is provided for your guidance in planning the Block 1 alternative development strategies to meet the December 82 IOC with a useful capability and introduce full capability over an extended period. This memorandum should not be taken as direction, but rather as a range of accommodation and priority order of introduction which the Government is prepared to negotiate in order to hold the IOC dates.

2. Introduction of the following Block 1 functions may be relaxed as noted:

> o Central Index File - conversion and availability of both may be delayed to mid-Block 1.

> o Central Document File - both the two months of all electricals and the most recent two years of electricals referenced by the Central Index File available mid-Block 1.

> o Automatic File Building - available when CIF available.

> o Regional Printers - not required until the COMPOSE capability is available, if dedicated "central" printers are located in SURE/SAFE center and under total control of SAFE.

o COMPOSE – the functional capabilities associated with this activity can be delivered toward the very end of Block 1.

o Text Search – initial use of this capability may be limited as to number of simultaneous users, size of files searched, and response time. When inversion is introduced then the full text search requirements must be met. Inversion due within first four months of Block 1.

o Private Index Files – Interim System files that have to be converted may be delayed until the middle of Block 1. The capability to build private index files also is introduced at this time. The latter is an enhancement of the SAVE capability that will be available when SAFE is first introduced in NFAC. A potential scenario of introduction follows.

3. At the end of 1982 a mail delivery capability is required serving at least 30 terminals and 60 users as outlined below:

Description: This block will provide users with a complete mail dissemination capability similar to what is now available in the Pilot Mail Operation (PMO). Analysts will have their own mail files and Branch mail files will also be available. The analysts may write their own profiles and may use global profiles that were originated for the Branch. Since these globals in early SAFE are originated for the Branches, the Branch will notify personnel whenever changes are made. The System need not notify the individual users.

Analysts will be able to "save" messages as they browse their mail. They may indicate file name(s) and may indicate the retrieval key terms they want associated with the item being saved. An analyst may text search his mail file, his "save" file, and a (minimum of) 72 hour document file which contains all of NFAC receipts for the previous 72 hour period.

An analyst may route, reject, hold items as he browses them. Each item browsed will have the complete dissemination addresses available without needing to make a separate search to find them.

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The Central Index File and selected private index files will be undergoing conversion during this period but will not be searchable by users.

The User-MIS will give us audit trails on document, workstation and file activity.

4.   In April of 1983 a Central Document file is added with 120 terminals serving 240 users as described below:

Description: This phase of Block 1, gives users the capability to text search (through inverted text search/streaming) a two month text file which consists of all of NFAC electrical receipts for the most recent two months. Hit files created by text search may be browsed; individual items may be saved, as described in paragraph 3; items may be routed, printed (at the central or local facility).

5.   By July of 1983 a Central/Private Index File is introduced with 180 terminals serving 360 users as described below:

Description: The user may now build his own private files (other than the "save" files brought up earlier); these files may be organized to make use of the "index term phrase" linkages among terms. The user will also have the Central Index File he may search; and the indexers for the CIF use the AFB (complex) to input the records.
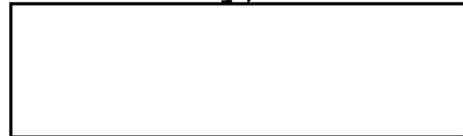
6.   By November 1983 the Compose function is added with 230 terminals serving 460 users as described below:

Description: This gives the users the basic "compose" functions as set forth in the consolidated statement of compose requirements. The user may employ his terminal as a word processing device; editing material already in a compose file or starting with a fresh screen; he may route to others in the SAFE system for coordination/editing. This basically completes Block 1.

-7. Again, please view this as an outside envelope
of potential accommodation and a priority order of intro-
duction rather than as a revised plan. It obviously has
more frequent deliveries of functions than desireable and
these could be grouped earlier than outlined. The initial
capability is very basic but the build-up is orderly. It
does represent a relaxation from the current plans and a
preferred direction of relaxation since it appears that
the Block 1 schedule can not be held as planned.

8. Please call me when you have reviewed this. I
propose that we meet the week of 1 June to review Block 1
alternatives further.

Sincerely,

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Director, Consolidated
SAFE Project Office

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